

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

Claim 1 (currently amended):        An anti-PMD system comprising:  
an optical fiber being drawn;  
a pulley having an outermost peripheral external surface over which the optical fiber rolls  
during the drawing of the optical fiber, said pulley being rotatable so as adapted to oscillate in  
rotation and to apply a torsion torque alternately in the clockwise direction and in the  
counterclockwise direction to ~~an~~ the optical fiber during drawing of said optical fiber to reduce  
its PMD, wherein a ~~the~~ outermost peripheral external surface of said pulley in contact with said  
optical fiber during drawing is ~~convex~~ a toroidal, convex surface.

Claim 2 (previously presented):        The anti-PMD system claimed in claim 1 wherein a  
ratio  $r/R$  of a radius  $r$  of curvature of the convex portion of said peripheral external surface of  
said pulley to a radius  $R$  of the pulley is in the range of  $\frac{1}{2}$  to 1.

Claim 3 (previously presented):        The anti-PMD system claimed in claim 1 wherein a  
ratio  $r/R$  of a radius  $r$  of curvature of the convex portion of said peripheral external surface of  
said pulley to a radius  $R$  of the pulley is in the range of  $\frac{1}{4}$  to  $\frac{1}{2}$  when  $R$  is greater than 50 mm.

Claim 4 (previously presented): The anti-PMD system claimed in claim 1 wherein a ratio  $r/R$  of a radius  $r$  of curvature of the convex portion of said peripheral external surface of said pulley to a radius  $R$  of the pulley is in the range of 1 to 2 when  $R$  is less than 50 mm.

Claim 5 (original): The anti-PMD system claimed in claim 1 wherein the radius of curvature of the convex portion of said peripheral external surface of said pulley is constant over the whole of said convex portion of said peripheral external surface of said pulley.

Claim 6 (original): The anti-PMD system claimed in claim 1 wherein all of said peripheral external surface of said pulley is convex.

Claim 7 (original): The anti-PMD system claimed in claim 1 wherein the radius of said pulley is less than or equal to 100 mm.

Claim 8 (original): The anti-PMD system claimed in claim 1 wherein the radius of said pulley is greater than or equal to 25 mm.

Claim 9 (original): The anti-PMD system claimed in claim 1 wherein said pulley has no guide rims.

Claim 10 (canceled).

Claim 11 (currently amended): A pulley intended for use in the anti-PMD system  
claimed in claim 1.